

METHODS AND APPARATUS FOR AUTOMATED TESTBENCH GENERATION

Abstract of the Disclosure

5 Methods and apparatus are provided for efficiently generating designs for
testing design automation tools and applications. Randomized and diverse test
designs with realistic attributes are automatically generated to allow comprehensive
testing of design automation tools such as synthesis, simulation, and place and route
tools used to implement designs on electronic devices. Each test design can
10 incorporate a wide range of attributes to allow thorough integration testing of a design
automation tool.